**Jillian Cavuto’s Lesson Plan**

**Topic: Water Unit**

Grade Level: Pre-K

**OBJECTIVE:** Children will Children will see that water travels through a plant.

Focus Question: How does water help us?

Vocabulary words: drink, conclude, observe, water

**Hook:** Show children the celery stalk. Share that the stalk is part of a plant and ask children what plants need in order to live. Highlight the need for water (or help children generate this response if necessary).

**Beginning:**

Invite children to join you in an experiment with the celery.

Fill the clear container with water, add a few drops of food coloring. Repeat with additional containers and colors if desired. Trim the bottom of the celery stalk.  
Place the stalk into the container. Repeat with additional stalks if desired.

**Middle:**

Ask children to predict what they think will happen if you leave the celery in the colored water overnight, and why they think that will happen. Record their responses.

Tell children you will revisit the celery stalk together tomorrow but in the meantime they may stop by and observe it on their own.

Place the stalk in an area where children can observe.

**End:**

The following day, invite children to observe the celery stalk again. What do they notice? Refer back to their predictions from the previous day. Compare their predictions to the results.

Share that plants draw water up from their roots through their stalks and into their leaves through their capillaries. Capillaries are hollow and water travels through them similar to the way water travels through a straw.

Water helps move nutrients throughout a plant. This helps the plant to stay alive. Without water plants will start to wilt and eventually die.

**Assessment:** Is the child able to make predictions about and observe how water travels through a plant?

**Differentiation:** Consider multiple entry points for all children to be successful. How do I/we plan to meet individual student needs? For example, repeat directions, extend time, adapt materials, preview questions, and provide 1:1 support

**For children who need additional support:** Invite these children to do additional observations of the celery stalk(s) with you throughout the day. Help them to note the changes in the celery stalk(s) at each observation.

**For children who are ready for a challenge:** For children who are ready for a challenge: Invite these

**PKFCC Focus Standard:**

*PK.CKW.1 (Science): Asks questions and makes predictions based on observations and manipulation of things and events in the environment.*

*PK.CKW.3 (Science): Generates explanations and communicates conclusions regarding experiments and explorations.*